FORM AEC-7
40-9101
(9-66)

INTERMEDIATE ACTION FORM

Source & SNM Licenses

REFERENCE NUMBERS

01. PROG CODE	30 DOCKET NO	59 TASK	42 PURPOSE OF TASK	12 MONTH	14 LICENSE NUMBER
62	40-7603	1?1	ossession increase	1967	?C - 907

52 AMDT RESULTING FROM TASK

18 APPLICANT: Commercial Discount Corp.

21. STREET & BUILDING: 105 West Adams Street

47 CLASSIFICATION: U

24. CITY: Chicago | 27 STATE: ILL | 32 ZIP: 60603

31 RECEIVED YR.	MO.	DAY	38 DEFER YR	MO	DAY	43 EXPIRED YR	MO	DAY
67	06	12						

57 APPLICANT'S COMMUNICATION DATED: YR 67 MO 06 DAY 09

56 ENCLOSURES (4 c's.)

?ncl mental ?'e to ? -2.

58. DESCRIPTION (MUST BE UNCLASSIFIED)

AEC-2 req. ?C-?07 be amended to cover 500,000 lbs. U308.

60 DISTRIBUTION

1- ? cy.

INTERMEDIATE ACTIONS

TYPE	ON YR	MO.	DAY	ACTIV.	RETURNED YR.	MO	DAY
APPL. INFO REQUESTED FROM APPLICANT	91			92 1	93		
REFERRED TO:	94			95 2	96		

OTHER REFERRALS

	DATE YR	MO	DAY
?uss ?omer w/file cy. & file 1-compliance cy. 1-extra cy.	67	06	13

DO NOT REMOVE

ACKNOWLEDGED

URANIUM-233 THE U-23.

THORIUM: None

(e) MAXIMUM TOTAL QUANTITY OF SOURCE MATERIAL YOU WILL HAVE ON HAND AT ANY TIME (in pounds).

500,000 lbs. U_3O_8

9. DESCRIBE THE CHEMICAL, PHYSICAL, METALLURGICAL, OR NUCLEAR PROCESS OR PROCESSES IN WHICH THE SOURCE MATERIAL WILL BE USED, INDICATING THE MAXIMUM AMOUNT OF SOURCE MATERIAL INVOLVED IN EACH PROCESS AT ANY ONE TIME, AND PROVIDING A THOROUGH EVALUATION OF THE POTENTIAL RADIATION HAZARDS ASSOCIATED WITH EACH STEP OF THOSE PROCESSES.

No processing. Material is to be conditioned by drying to 15% moisture content and loaded into rail cars for shipment to Canon City, Colorado.

10. DESCRIBE THE MINIMUM TECHNICAL QUALIFICATIONS INCLUDING TRAINING AND EXPERIENCE THAT WILL BE REQUIRED OF APPLICANT'S SUPERVISORY PERSONNEL INCLUDING PERSON RESPONSIBLE FOR RADIATION SAFETY PROGRAM (OR OF APPLICANT IF APPLICANT IS AN INDIVIDUAL)

See Exhibit "A" item 10

11. DESCRIBE THE EQUIPMENT AND FACILITIES WHICH WILL BE USED TO PROTECT HEALTH AND MINIMIZE DANGER TO LIFE OR PROPERTY AND RELATE THE USE OF THE EQUIPMENT AND FACILITIES TO THE OPERATIONS LISTED IN ITEM 9. INCLUDE (a) RADIATION DETECTION AND RELATED INSTRUMENTS (including film badges, dosimeters, counters, air sampling, and other survey equipment as appropriate. The description of radiation detection instruments should include the instrument characteristics such as type of radiation detected, window thickness, and the range(s) of each instrument).

See Exhibit "A" item 11(a)

(b) METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED IN (a) ABOVE, INCLUDING AIR SAMPLING EQUIPMENT (for film badges, specify method of calibrating and processing, or name supplier)

See Exhibit "A" item 11(b)

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PDR FOIA
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Copy Provided Compliance

10: Supervisory personnel for drying and loading have had extensive experience in handling material of similar nature from standpoint of prevention of excessive contact with material and prevention of creation of dust. Radiation safety program will be under the direction of E. Edgerley, Jr. of the firm of Ryckman, Edgerley, Burbank and Associates, Inc., Environmental and Sanitary Engineering Consultants. Edgerley is a graduate Environmental and Sanitary Engineer with radiological health minor as part of doctoral program at the University of California, is Associate Professor of Environmental Engineering at Washington University where he teaches courses in engineering aspects of radiological health and has had over twelve years experience as an Environmental Engineer involving various phases of engineering related to radiological safety.

ITEM 11: (a) Each worker will be issued a film badge to be worn at all times while on premises. High volume air samples will be taken at periodic intervals at selected locations to assure lack of dust. Continuous tape air sampling will be conducted during operating periods with sample counting accomplished using a windowless, gas flow, proportional radiation detector. Periodic monitoring in the area of operation will be made with use of a Geiger-Muller detector having a 1.6 mg/sq.cm. end window probe.

ITEM 11: (b) Film badges will be supplied and processed by R. S. Landauer, Jr. and Company of Matteson, Illinois. Radiation detector equipment will be calibrated by use of disc sources.

ITEM 12: (a) Employees engaged in moving of residue material will be required to wear film badges at all times while on premises and all clothing worn on premises will be supplied at time of reporting to work and retained upon completion of work period. All workers will be required to change clothing and thoroughly shower before leaving premises.

ITEM 39: (c) Area will be monitored on a bi-weekly basis using a Geiger-Muller radiation detector. Air samples for radioactive dust will be taken at warranted locations on a bi-weekly basis using a high volume air sampler. A continuous air sampler using a Gilman Tape Air Sampler will be operated in the vicinity of greatest mechanical and physical activity in order to provide continuous two hour histories of air conditions. Six dust collectors consisting of a 360° sticky paper sampler and a dust-fall bucket will be placed in the area surrounding the storage and loading facility to continuously monitor the dust in the environment. These will be changed on a bi-weekly basis.

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